

# Morbidity and Mortality

Weekly  
Report

PUBLIC HEALTH SERVICE

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended February 20, 1960

### EPIDEMIOLOGICAL REPORTS

#### Mortality

Mortality from all causes was higher than expected for the seventh consecutive week and the highest so far this year. By geographic division deaths reported for selected cities were above the figure expected at this time of year in all divisions except the Middle Atlantic.

The number of deaths from influenza and pneumonia reported by the large cities remains constant as shown in the accompanying table. The total for the week ended February 20 does not include figures for 3 cities that reported a combined total of 10 for the previous week. Three geographic divisions reported increased numbers, the Middle Atlantic, East North Central, and West North Central. Three cities in the latter group (Des Moines, St. Louis, and Wichita) reported about twice as many deaths as for the previous week.

Week ended—	1960	1959	1958
Total-----	6,096	3,769	4,819
January 9-----	645	613	549
January 16-----	689	585	660
January 23-----	779	568	676
January 30-----	930	532	703
February 6-----	1,002	500	769
February 13-----	1,025	463	735
February 20-----	1,026	508	727

<sup>1</sup>Revised figure.

#### Influenza

The influenza pattern in the United States is generally one of declining incidence. However, 2 outbreaks of influenza-like

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	7th week			Cumulative						Approximate seasonal low point
	Ended Feb. 20, 1960 <sup>1</sup>	Ended Feb. 21, 1959	Median 1955-59	First 7 weeks			Since seasonal low week			
				1960 <sup>1</sup>	1959	Median 1955-59	1959-60 <sup>1</sup>	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	-	-	-	-	3	(2)	(2)	(2)	(2)
Botulism-----049.1	-	-	-	3	-	-	(2)	(2)	(2)	(2)
Brucellosis (undulant fever)-----044	22	10	13	114	80	90	(2)	(2)	(2)	(2)
Diphtheria-----055	17	22	22	145	167	167	713	773	923	July 1
Encephalitis, infectious-----082	16	27	19	180	174	138	1,802	1,909	1,481	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	789	609	504	5,089	3,819	3,545	13,519	9,236	9,236	Sept. 1
Malaria-----110-117	-	-	3	6	10	12	(2)	(2)	(2)	(2)
Measles-----085	9,952	13,923	15,140	60,582	72,040	83,370	100,051	123,429	123,429	Sept. 1
Meningitis, aseptic-----340 pt.	25	-	-	204	-	-	-	-	-	-
Meningococcal infections-----057	54	53	73	382	365	447	1,046	1,228	1,456	Sept. 1
Polio myelitis-----080	18	14	34	166	144	329	8,465	5,986	14,706	Apr. 1
Paralytic-----080.0,080.1	14	9	18	115	102	184	5,637	3,121	6,326	Apr. 1
Nonparalytic-----080.2	3	2	13	31	20	90	2,151	1,975	5,705	Apr. 1
Unspecified-----080.3	1	3	3	20	22	55	677	890	2,675	Apr. 1
Psittacosis-----096.2	6	-	5	24	9	36	(2)	(2)	(2)	(2)
Rabies in man-----094	-	-	-	-	-	1	(2)	(2)	(2)	(2)
Streptococcal sore throat, including scarlet fever-----050,051	7,596	-	-	58,465	-	-	-	-	-	-
Typhoid fever-----040	14	14	14	66	81	144	806	980	1,604	Apr. 1
Typhus fever, endemic-----101	1	1	1	4	4	7	45	68	106	Apr. 1
Rabies in animals-----	71	80	112	540	543	703	1,589	1,444	1,753	Oct. 1

<sup>1</sup>Data exclude reports from Arizona, Mississippi, Montana, and Wisconsin for the current week.

<sup>2</sup>Data show no pronounced seasonal change in incidence.

## EPIDEMIOLOGICAL REPORTS—Continued

disease have been reported among Indians on reservations in 2 States that previously had not reported its occurrence. These were in Wyoming and Montana. In one of the outbreaks about a third of the population on the reservation was affected. There were 3 deaths. Dr. David Lackman, Rocky Mountain Laboratory, (PHS), also reported that there have been isolated cases of severe respiratory infection since the middle of January in the vicinity of Hamilton, Montana. One strain of virus having the characteristics of type A2 influenza has been recovered.

The Influenza Surveillance Report issued by the California Department of Public Health for the period January 21 to February 18 indicates that the peak of the epidemic in the State was reached in the 2d and 3d weeks of January. Incidence is now declining except in a few scattered areas. A preliminary report on the investigation of the relatively high mortality from influenza and pneumonia with special reference to the Los Angeles area has been made. It indicates that a number of old-age homes, State institutions, and large chronic disease wards in hospitals in the Los Angeles area experienced a wave of influenza going through their facilities. The wave contributed substantially to the number of pneumonias and pneumonia deaths. The Los Angeles City Health Department reported 127 deaths from influenza and pneumonia for the first 4 weeks of 1960 as compared with 52 for the same period in 1959. The percentage distribution for age groups of these deaths is as follows:

	1960	1959
Under 1 year-----	11.0	25.0
1 to 19 years-----	0	3.8
20 to 49 years-----	9.5	5.8
50 to 64 years-----	16.5	11.6
65 years and over-----	63.0	53.8

Dr. A. A. Jenkins, Utah Department of Public Health, states that 1,671 cases of influenza were reported in the State from January 1 to February 15. Four strains of type A2 influenza virus have been isolated. Dr. C. B. Tucker, Tennessee Department of Public Health, reports that there has been a statewide outbreak of influenza that apparently reached a peak in the week ended February 6, when approximately 18,000 clinical cases were notified. A type A2 virus has been isolated from throat washings taken in Nashville. Dr. A. M. Washburn, Arkansas Board of Health, states that scattered reports of influenza-like illnesses have been occurring in various parts of the State. These illnesses have been observed mainly in young adult groups. Absenteeism in schools has not been remarkable. Laboratory specimens from patients in one county have been obtained for study. Dr. D. S. Fleming, Minnesota Department of Health, reports that as of February 16 there were no additional notifications of sharp localized outbreaks of respiratory illness. Incidence appeared to be declining in the metropolitan area of Minneapolis and St. Paul. Several physicians and pathologists have observed an increased number of cases of influenza complicated by pneumonia. No further isolations of influenza virus have been made, but serologic confirmation of diagnosis has been established in 11 cases. Dr. F. C. Heath, District of Columbia Department of Health, has reported a decline in the amount of absenteeism among 16,000 employed persons that are sampled each week. Six of 44 specimens have shown evidence of type A2 influenza infection. The Mississippi Board of Health reports that influenza-like illness continues to occur with concentrations in Benton, Forrest, Lafayette, and

Lee Counties. A total of 35,000 cases was estimated for the week ended February 12. The unusual clinical severity of cases in Forrest County is being studied. There have been severe muscular pains and disturbances in sensorium including memory lapses and "nervousness." Hyperexcitability is persistent in some cases and sedation has been required for as long as 2 weeks.

Dr. J. E. Hotchin, New York State Department of Health, has reported rises in antibody titer against influenza A in complement-fixation tests in 2 paired specimens of serum. One showed a 4-fold and the other an 8-fold rise in titer. Both persons from whom the specimens were obtained lived in Genesee County and had onset of illness on January 13.

The Nebraska Department of Health reported on February 12 that physicians in the State were seeing increasing numbers of influenza-like illnesses but there was no evidence of a rise of epidemic proportions. Absenteeism in schools and local businesses in Lincoln was higher than normal, and at the University of Nebraska there was an influx of admissions for influenza-like illnesses at the Student Health Center. No cases have been confirmed by laboratory tests as influenza, to date.

The World Health Organization reports the isolation of type A2 virus in Brunei where an epidemic previously had been reported. No significant changes in occurrence of influenza in Europe were reported.

Dr. L. A. N. deValle, Instituto Adolfo Lutz, Sao Paulo, Brazil, has reported the recovery of type A2 influenza virus from a case with typical symptoms of influenza who was ill in January. There was no evidence of any serious outbreak of the disease in Sao Paulo at that time.

Listeriosis

The Maine Communicable Disease Report for the week ended February 13 contains a report of a case of listeriosis in an infant who died at age 18 days. Examination revealed the presence of a meningitis and focal abscesses of the brain and liver. The diagnosis was confirmed by isolation of Listeria monocytogenes. The report stated this is the second case of listeriosis discovered in Maine up to the present time. Late in 1958, an infant in another city died from meningitis diagnosed as listeria meningitis on the basis of laboratory findings.

Leptospirosis

Dr. A. M. Washburn, Arkansas State Board of Health, supplied information on a case of leptospirosis in a 45-year-old male employee of a cotton oil mill. It was first thought the infection might have been from contaminated water from a pond which in some way was contaminating the mill water supply. The case history revealed that the man had been bitten on the hand by a dog about 2 weeks prior to the onset of symptoms. He recovered from the bite without difficulty. Also, it was learned that 3 children in the man's family had similar acute febrile illnesses about the same time. All of these have now recovered and no such illnesses have occurred among employees of the cotton oil mill. Complement-fixation tests were positive for Leptospira ballum, L. canicola, and L. pomona.

Gastroenteritis

Dr. O. J. Pellitteri, New York City Department of Health, reported an outbreak of about 200 cases of food poisoning among employees of an insurance company. The suspect meal was served in one of 4 company cafeterias. Onset of symptoms

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 21, 1959, AND FEBRUARY 20, 1960

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undul- lant fever) 044
	Total <sup>1</sup>				Paralytic 080.0,080.1				Nonparalytic 080.2			
	7th week		Cumulative, first 7 weeks		7th week		Cumulative, first 7 weeks					
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1960
UNITED STATES <sup>2</sup> -----	18	14	166	144	14	9	115	102	3	2	25	22
NEW ENGLAND-----	-	-	5	2	-	-	5	2	-	-	-	-
Maine-----	-	-	1	-	-	-	1	-	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	-	-
Vermont-----	-	-	-	1	-	-	-	1	-	-	-	-
Massachusetts-----	-	-	4	1	-	-	4	1	-	-	-	-
Rhode Island-----	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut-----	-	-	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	5	-	46	11	5	-	33	1	-	-	4	-
New York-----	1	-	25	7	1	-	17	-	-	-	1	-
New Jersey-----	-	-	2	2	-	-	2	-	-	-	1	-
Pennsylvania-----	4	-	19	2	4	-	14	1	-	-	2	-
EAST NORTH CENTRAL <sup>2</sup> -----	2	1	14	10	-	1	3	8	2	-	4	1
Ohio-----	1	-	11	3	-	-	2	1	1	-	-	-
Indiana-----	-	-	-	-	-	-	-	-	-	-	1	-
Illinois-----	1	-	2	-	-	-	1	-	1	-	3	1
Michigan-----	-	-	-	6	-	-	-	6	-	-	-	-
Wisconsin-----	-	1	2 <sup>1</sup>	1	-	1	2	1	-	-	-	-
WEST NORTH CENTRAL-----	3	-	8	13	2	-	5	9	-	-	1	17
Minnesota-----	1	-	4	-	1	-	4	-	-	-	1	1
Iowa-----	1	-	2	-	1	-	1	-	-	-	-	16
Missouri-----	1	-	1	10	-	-	-	8	-	-	-	-
North Dakota-----	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota-----	-	-	1	1	-	-	-	-	-	-	-	-
Nebraska-----	-	-	-	1	-	-	-	1	-	-	-	-
Kansas-----	-	-	-	1	-	-	-	-	-	-	-	-
SOUTH ATLANTIC-----	1	6	31	30	1	4	23	20	-	-	5	-
Delaware-----	-	-	1	-	-	-	-	-	-	-	-	-
Maryland-----	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	-	-	-	-	-	-	-	-
Virginia-----	-	-	-	1	-	-	-	1	-	-	1	-
West Virginia-----	-	2	2	5	-	1	2	4	-	-	-	-
North Carolina-----	-	-	11	1	-	-	11	1	-	-	-	-
South Carolina-----	-	-	1	2	-	-	1	1	-	-	-	-
Georgia-----	-	-	1	1	-	-	1	1	-	-	-	-
Florida-----	1	4	15	20	1	3	8	12	-	-	4	-
EAST SOUTH CENTRAL <sup>2</sup> -----	1	2	4	15	1	1	3	11	-	1	-	2
Kentucky-----	1	-	4	4	1	-	3	3	-	-	-	-
Tennessee-----	-	2	-	4	-	1	-	3	-	1	-	2
Alabama-----	-	-	-	1	-	-	-	-	-	-	-	-
Mississippi-----	-	-	2	6	-	-	2	5	-	-	-	-
WEST SOUTH CENTRAL-----	1	2	11	33	1	2	7	26	-	-	7	1
Arkansas-----	-	1	3	8	-	1	1	8	-	-	1	1
Louisiana-----	-	-	3	3	-	-	2	2	-	-	-	-
Oklahoma-----	1	-	1	3	1	-	1	2	-	-	-	-
Texas-----	-	1	4	19	-	1	3	14	-	-	6	-
MOUNTAIN <sup>2</sup> -----	2	1	8	5	1	-	4	3	1	-	-	-
Montana-----	-	-	2 <sup>4</sup>	-	-	-	2 <sup>3</sup>	-	-	-	-	-
Idaho-----	2	-	4	-	1	-	1	-	1	-	-	-
Wyoming-----	-	-	-	-	-	-	-	-	-	-	-	-
Colorado-----	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico-----	-	1	-	3	-	-	-	1	-	-	-	-
Arizona-----	-	-	2	2	-	-	-	-	-	-	-	-
Utah-----	-	-	-	-	-	-	-	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC-----	3	2	39	25	3	1	32	22	-	1	4	1
Washington-----	-	-	3	1	-	-	3	1	-	-	-	-
Oregon-----	-	-	7	2	-	-	3	2	-	-	-	-
California-----	3	2	28	22	3	1	25	19	-	-	4	-
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	-	-	1	(3)	-	-	1	(3)	-	-	-	-
Puerto Rico-----	2	-	11	2	2	-	11	2	-	-	-	-

<sup>1</sup>Includes cases not specified by type, category number 080.3.

<sup>2</sup>Data exclude reports from Wisconsin, Mississippi, Montana, and Arizona for the current week.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 21, 1959, AND FEBRUARY 20, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	7th week		Cumulative, first 7 weeks		082		7th week		Cumulative, first 7 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES <sup>2</sup> -----	17	22	145	167	16	27	789	609	5,089	3,619	9,952	13,923
NEW ENGLAND-----	1	-	3	2	-	3	21	14	179	121	824	1,090
Maine-----	-	-	-	-	-	-	-	-	12	27	92	13
New Hampshire-----	-	-	-	-	-	-	-	-	-	-	2	-
Vermont-----	-	-	-	-	-	-	-	-	5	11	3	45
Massachusetts-----	1	-	2	2	-	2	8	8	87	45	400	177
Rhode Island-----	-	-	1	-	-	1	4	2	36	13	19	7
Connecticut-----	-	-	-	-	-	-	9	4	39	25	308	848
MIDDLE ATLANTIC-----	-	3	5	6	6	7	73	110	460	535	1,647	4,557
New York-----	-	2	1	4	4	3	33	66	214	320	1,392	641
New Jersey-----	-	1	-	1	1	-	8	13	35	73	137	1,444
Pennsylvania-----	-	-	4	1	1	4	32	31	211	142	118	2,472
EAST NORTH CENTRAL <sup>2</sup> -----	1	1	12	11	1	1	156	96	896	593	2,168	1,604
Ohio-----	-	1	8	3	1	1	57	14	233	189	260	442
Indiana-----	1	-	2	-	-	-	24	12	127	60	318	190
Illinois-----	-	-	1	6	-	-	32	31	206	122	998	240
Michigan-----	-	-	1	-	-	-	43	33	269	187	592	436
Wisconsin-----	-	-	2	2	-	-	-	6	261	35	-	296
WEST NORTH CENTRAL-----	-	3	9	7	-	1	163	54	509	352	232	1,190
Minnesota-----	-	1	2	3	-	-	6	16	46	72	82	12
Iowa-----	-	1	1	2	-	1	20	7	92	36	27	688
Missouri-----	-	-	1	-	-	-	61	13	153	76	4	180
North Dakota-----	-	-	1	-	-	-	3	5	55	77	90	210
South Dakota-----	-	-	3	-	-	-	59	-	84	2	25	63
Nebraska-----	-	1	-	2	-	-	4	2	41	23	4	37
Kansas-----	-	-	1	-	-	-	10	11	38	66	(*)	(*)
SOUTH ATLANTIC-----	2	2	34	30	1	3	108	100	619	448	658	1,041
Delaware-----	-	-	-	-	-	-	9	4	31	21	13	19
Maryland-----	-	-	-	-	-	-	9	22	53	128	97	51
District of Columbia-----	-	-	-	-	-	-	-	1	5	6	34	8
Virginia-----	-	-	5	3	-	1	18	36	148	94	319	344
West Virginia-----	-	-	1	1	-	-	21	25	129	126	66	328
North Carolina-----	-	1	1	6	1	-	3	-	26	31	32	87
South Carolina-----	-	-	12	4	-	-	4	-	17	6	8	56
Georgia-----	-	-	2	7	-	-	-	-	263	6	-	-
Florida-----	2	1	13	9	-	2	44	12	147	30	89	148
EAST SOUTH CENTRAL <sup>2</sup> -----	1	1	13	29	-	-	102	41	931	329	1,013	763
Kentucky-----	-	-	-	1	-	-	44	10	453	182	280	115
Tennessee-----	1	-	2	3	-	-	33	13	271	48	587	395
Alabama-----	-	1	6	7	-	-	25	13	170	70	146	240
Mississippi-----	-	-	25	18	-	-	-	5	237	29	-	13
WEST SOUTH CENTRAL-----	12	11	47	72	2	1	37	36	357	217	1,705	809
Arkansas-----	1	3	1	24	-	-	3	-	24	13	5	8
Louisiana-----	1	4	8	25	-	-	3	5	18	25	3	1
Oklahoma-----	-	-	4	-	-	-	2	7	47	32	33	12
Texas-----	10	4	34	23	2	1	29	24	268	147	1,664	788
MOUNTAIN <sup>2</sup> -----	-	-	21	7	-	4	44	83	480	621	465	1,112
Montana-----	-	-	2	-	-	-	-	16	222	64	-	281
Idaho-----	-	-	11	-	-	-	13	14	78	97	153	19
Wyoming-----	-	-	5	-	-	-	-	2	4	31	5	17
Colorado-----	-	-	2	2	-	3	10	20	129	173	62	337
New Mexico-----	-	-	1	4	-	-	12	19	95	134	-	65
Arizona-----	-	-	2	-	-	-	-	3	292	80	-	307
Utah-----	-	-	2	-	-	1	6	4	51	32	242	82
Nevada-----	-	-	-	1	-	-	3	5	9	10	3	4
PACIFIC-----	-	1	1	3	6	7	85	75	658	603	1,240	1,757
Washington-----	-	-	-	-	-	-	6	8	71	103	399	589
Oregon-----	-	-	-	1	-	1	27	21	146	125	185	217
California-----	-	-	-	1	6	6	49	45	405	370	310	923
Alaska-----	-	1	1	1	-	-	-	1	15	5	11	28
Hawaii-----	-	-	-	(1)	-	-	3	-	21	(10)	335	(45)
Puerto Rico-----	4	1	28	7	-	-	13	8	121	23	34	63

<sup>2</sup>Data exclude reports from Wisconsin, Mississippi, Montana, and Arizona for the current week.

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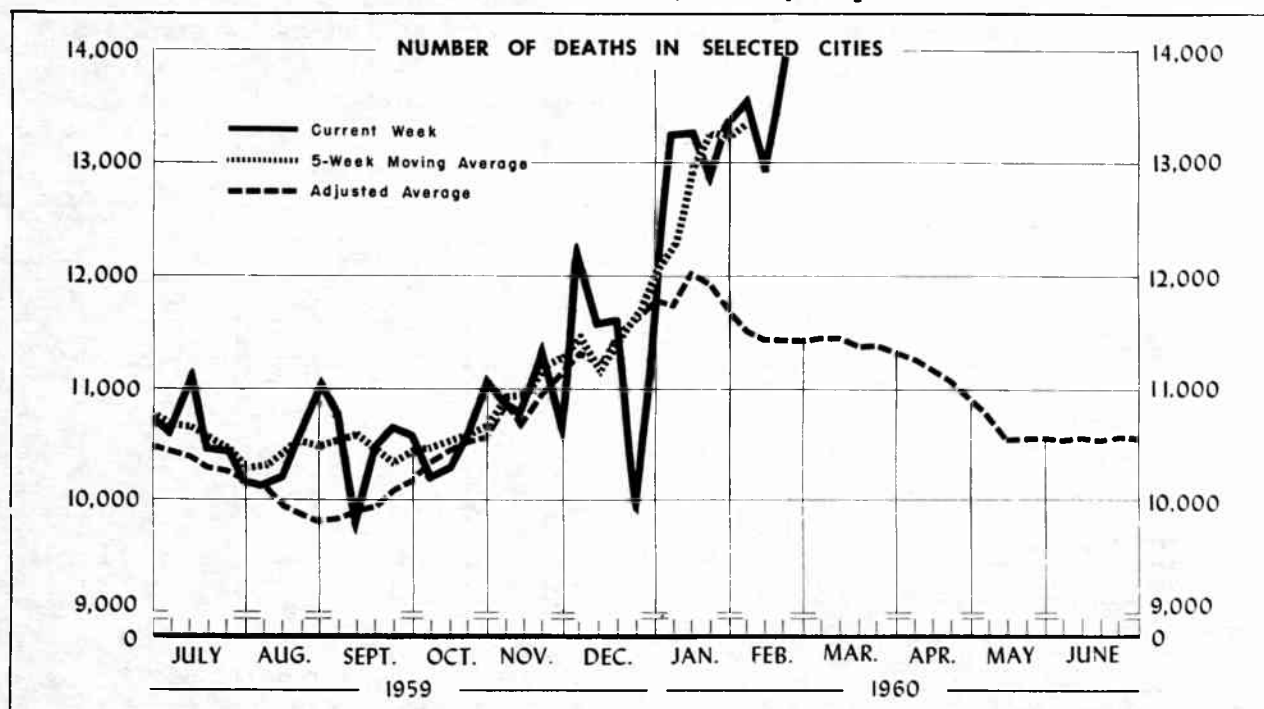
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED FEBRUARY 21, 1959, AND FEBRUARY 20, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	7th week		Cumulative, first 7 weeks		101		
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES <sup>2</sup> -----	-	54	53	6	7,596	14	14	66	81	1	71	80
NEW ENGLAND-----	-	7	-	-	471	-	1	1	1	-	-	-
Maine-----	-	1	-	-	19	-	-	-	-	-	-	-
New Hampshire-----	-	-	-	-	15	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	10	-	-	-	-	-	-	-
Massachusetts-----	-	2	-	-	164	-	-	1	-	-	-	-
Rhode Island-----	-	-	-	-	28	-	1	-	1	-	-	-
Connecticut-----	-	4	-	-	235	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	-	11	13	5	585	-	3	4	11	-	9	3
New York-----	-	7	6	3	271	-	1	2	5	-	8	3
New Jersey-----	-	4	3	-	129	-	-	-	2	-	-	-
Pennsylvania-----	-	-	4	2	185	-	2	2	4	-	1	-
EAST NORTH CENTRAL <sup>2</sup> -----	-	8	13	-	1,021	1	1	5	5	-	1	6
Ohio-----	-	1	3	-	203	1	1	1	4	-	-	3
Indiana-----	-	3	1	-	317	-	-	1	1	-	-	2
Illinois-----	-	3	6	-	191	-	-	1	-	-	-	1
Michigan-----	-	1	3	-	310	-	-	2	-	-	1	-
Wisconsin-----	-	-	-	-	-	-	-	2	-	-	-	-
WEST NORTH CENTRAL-----	-	-	4	-	311	-	1	6	5	-	11	8
Minnesota-----	-	-	-	-	51	-	-	-	-	-	-	3
Iowa-----	-	-	3	-	68	-	-	-	-	-	3	2
Missouri-----	-	-	-	-	29	-	1	6	3	-	6	1
North Dakota-----	-	-	1	-	162	-	-	-	1	-	1	1
South Dakota-----	-	-	-	-	1	-	-	-	-	-	-	-
Nebraska-----	-	-	-	-	-	-	-	-	-	-	1	1
Kansas-----	-	-	-	-	-	-	-	-	1	-	-	-
SOUTH ATLANTIC-----	-	8	8	-	461	7	2	16	17	-	8	13
Delaware-----	-	-	-	-	14	-	-	-	-	-	-	-
Maryland-----	-	1	1	-	53	-	-	-	-	-	-	-
District of Columbia-----	-	-	-	-	4	-	-	-	-	-	-	-
Virginia-----	-	-	1	-	113	-	-	3	1	-	5	3
West Virginia-----	-	1	-	-	110	-	-	-	1	-	-	2
North Carolina-----	-	4	-	-	43	2	1	7	5	-	2	2
South Carolina-----	-	1	-	-	124	5	-	5	1	-	-	1
Georgia-----	-	-	1	-	-	-	-	-	1	-	-	4
Florida-----	-	1	5	-	-	-	1	1	8	-	1	1
EAST SOUTH CENTRAL <sup>2</sup> -----	-	6	7	-	1,449	3	3	16	9	-	7	20
Kentucky-----	-	4	3	-	226	-	-	3	1	-	3	8
Tennessee-----	-	2	-	-	1,202	3	3	11	5	-	2	5
Alabama-----	-	-	3	-	21	-	-	2	2	-	2	7
Mississippi-----	-	-	1	-	-	-	-	2	1	-	-	-
WEST SOUTH CENTRAL-----	-	6	4	-	973	2	1	9	15	1	33	28
Arkansas-----	-	-	1	-	68	-	-	2	3	-	7	13
Louisiana-----	-	-	2	-	9	2	-	4	4	-	5	3
Oklahoma-----	-	1	-	-	9	-	-	1	3	-	-	-
Texas-----	-	5	1	-	887	-	1	2	5	1	21	12
MOUNTAIN <sup>2</sup> -----	-	1	1	1	1,603	-	1	6	7	-	-	-
Montana-----	-	-	-	-	-	-	-	2 <sup>4</sup>	1	-	-	-
Idaho-----	-	-	-	-	83	-	-	-	2	-	-	-
Wyoming-----	-	-	-	-	119	-	-	-	1	-	-	-
Colorado-----	-	1	-	-	611	-	-	-	-	-	-	-
New Mexico-----	-	-	-	-	198	-	-	2	1	-	-	-
Arizona-----	-	-	-	-	-	-	1	2	2	-	-	-
Utah-----	-	-	-	1	583	-	-	-	-	-	-	-
Nevada-----	-	-	1	-	9	-	-	-	-	-	-	-
PACIFIC-----	-	7	3	-	722	1	1	3	11	-	2	2
Washington-----	-	-	1	-	320	-	-	-	-	-	-	-
Oregon-----	-	1	-	-	69	-	1	-	1	-	-	-
California-----	-	5	2	-	314	1	-	3	10	-	2	2
Alaska-----	-	-	-	-	15	-	-	-	-	-	-	-
Hawaii-----	-	1	-	-	4	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	5	-	12	1	-	2	-

<sup>2</sup>Data exclude reports from Wisconsin, Mississippi, Montana and Arizona, for the current week.

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The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For 1954-58, this average is based on data for 114 cities; for 1955-59, on data for 117 cities. The adjusted average is computed as follows: From the total deaths reported each week, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 4.0 percent to allow for estimated population growth in the cities and surrounding areas.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	7th week ended Feb. 20, 1960	6th week ended Feb. 13, 1960	Adjusted average, 7th week 1955-59	Percent change <sup>1</sup>	Cumulative, first 7 weeks			
					1960	1959	Adjusted average, 1955-59	Percent change <sup>1</sup>
TOTAL, 117 REPORTING CITIES-----	<sup>2</sup> 13,966	<sup>2</sup> 12,935	11,438	+22.1	<sup>2</sup> 93,260	85,975	81,897	+13.9
New England----- (14 cities)	890	1,019	775	+14.8	6,077	5,234	5,525	+10.0
Middle Atlantic----- (20 cities)	3,547	3,406	3,444	+3.0	24,637	24,601	24,571	+0.3
East North Central----- (21 cities)	<sup>2</sup> 3,148	<sup>2</sup> 2,548	2,602	+21.0	<sup>2</sup> 20,450	18,552	18,494	+10.6
West North Central----- (9 cities)	<sup>2</sup> 1,117	872	840	+33.0	<sup>2</sup> 6,502	6,099	5,905	+10.1
South Atlantic----- (11 cities)	1,264	1,322	988	+27.9	8,206	7,266	7,220	+13.7
East South Central----- (8 cities)	615	635	527	+16.7	4,213	3,946	3,839	+9.7
West South Central----- (13 cities)	1,229	1,305	959	+28.2	8,423	7,240	6,858	+22.8
Mountain----- (8 cities)	423	361	287	+47.4	2,768	2,395	2,080	+33.1
Pacific----- (13 cities)	1,733	1,467	1,462	+18.5	11,984	10,542	10,415	+15.1

<sup>1</sup>Current figure divided by adjusted average.

<sup>2</sup>Includes estimates for missing cities.

## Morbidity and Mortality Weekly Report

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	7th week ended Feb. 20, 1960	6th week ended Feb. 13, 1960	Cumulative, first 7 weeks		Area	7th week ended Feb. 20, 1960	6th week ended Feb. 13, 1960	Cumulative, first 7 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	310	327	2,056	1,776	St. Louis, Mo.-----	360	251	2,039	1,892
Bridgeport, Conn.-----	60	63	342	318	St. Paul, Minn.-----	98	81	611	488
Cambridge, Mass.-----	37	43	261	218	Wichita, Kans.-----	70	28	360	370
Fall River, Mass.-----	37	48	245	211	SOUTH ATLANTIC:				
Hartford, Conn.-----	40	83	390	358	Atlanta, Ga.-----	144	171	959	818
Lowell, Mass.-----	26	32	187	177	Baltimore, Md.-----	325	345	2,099	1,794
Lynn, Mass.-----	38	30	210	174	Charlotte, N.C.-----	54	75	352	271
New Bedford, Mass.-----	30	24	222	178	Jacksonville, Fla.-----	102	77	525	441
New Haven, Conn.-----	54	50	388	341	Miami, Fla.-----	72	90	612	556
Providence, R.I.-----	84	101	555	530	Norfolk, Va.-----	58	64	388	330
Somerville, Mass.-----	12	25	124	121	Richmond, Va.-----	105	119	659	568
Springfield, Mass.-----	50	89	419	329	Savannah, Ga.-----	51	48	300	278
Waterbury, Conn.-----	43	25	214	193	St. Petersburg, Fla.-----	(93)	(72)	(601)	(531)
Worcester, Mass.-----	69	79	464	410	Tampa, Fla.-----	72	74	486	483
MIDDLE ATLANTIC:					Washington, D.C.-----	233	222	1,507	1,419
Albany, N.Y.-----	49	52	305	403	Wilmington, Del.-----	48	37	319	308
Allentown, Pa.-----	34	33	245	269	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	188	173	1,222	1,020	Birmingham, Ala.-----	92	111	679	667
Camden, N.J.-----	54	52	366	281	Chattanooga, Tenn.-----	43	45	366	327
Elizabeth, N.J.-----	33	41	205	206	Knoxville, Tenn.-----	37	54	257	227
Erie, Pa.-----	33	32	266	271	Louisville, Ky.-----	152	151	921	826
Jersey City, N.J.-----	65	75	563	600	Memphis, Tenn.-----	162	122	871	901
Newark, N.J.-----	97	78	727	808	Mobile, Ala.-----	39	42	324	299
New York City, N.Y.-----	1,780	1,761	12,188	12,378	Montgomery, Ala.-----	35	41	282	236
Paterson, N.J.-----	55	34	324	283	Nashville, Tenn.-----	55	69	513	463
Philadelphia, Pa.-----	559	508	3,758	3,978	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	181	205	1,678	1,473	Austin, Tex.-----	70	53	331	210
Reading, Pa.-----	25	19	180	184	Baton Rouge, La.-----	49	21	237	236
Rochester, N.Y.-----	118	95	837	730	Corpus Christi, Tex.-----	31	43	235	155
Schenectady, N.Y.-----	33	26	193	177	Dallas, Tex.-----	160	153	996	894
Scranton, Pa.-----	34	50	305	300	El Paso, Tex.-----	43	43	349	285
Syracuse, N.Y.-----	76	71	502	439	Fort Worth, Tex.-----	78	96	531	465
Trenton, N.J.-----	62	42	312	345	Houston, Tex.-----	192	213	1,401	1,182
Utica, N.Y.-----	32	28	220	224	Little Rock, Ark.-----	48	55	462	457
Yonkers, N.Y.-----	39	31	241	232	New Orleans, La.-----	260	228	1,462	1,274
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	65	129	621	518
Akron, Ohio-----	72	69	450	445	San Antonio, Tex.-----	114	124	919	748
Canton, Ohio-----	41	30	289	260	Shreveport, La.-----	71	63	403	439
Chicago, Ill.-----	1,036	726	6,445	5,628	Tulsa, Okla.-----	48	84	476	377
Cincinnati, Ohio-----	186	218	1,319	1,265	MOUNTAIN:				
Cleveland, Ohio-----	284	214	1,752	1,613	Albuquerque, N. Mex.-----	42	29	240	258
Columbus, Ohio-----	148	89	961	840	Colorado Springs, Colo.-----	16	21	137	123
Dayton, Ohio-----	85	95	581	474	Denver, Colo.-----	157	142	989	855
Detroit, Mich.-----	371	374	2,848	2,507	Ogden, Utah-----	19	18	133	113
Evansville, Ind.-----	41	36	268	271	Phoenix, Ariz.-----	76	52	540	438
Flint, Mich.-----	42	51	303	295	Pueblo, Colo.-----	19	16	105	94
Fort Wayne, Ind.-----	45	51	305	253	Salt Lake City, Utah-----	55	49	376	333
Gary, Ind.-----	126	36	229	252	Tucson, Ariz.-----	39	34	248	181
Grand Rapids, Mich.-----	42	45	333	315	PACIFIC:				
Indianapolis, Ind.-----	214	115	1,088	1,119	Berkeley, Calif.-----	19	13	135	136
Madison, Wis.-----	33	25	226	211	Fresno, Calif.-----	(53)	(72)	(413)	(298)
Milwaukee, Wis.-----	187	120	1,046	1,044	Glendale, Calif.-----	(43)	(27)	(342)	(289)
Peoria, Ill.-----	34	36	234	205	Honolulu, Hawaii-----	36	43	291	272
Rockford, Ill.-----	34	27	223	218	Long Beach, Calif.-----	63	44	436	429
South Bend, Ind.-----	40	27	249	208	Los Angeles, Calif.-----	632	553	4,602	3,731
Toledo, Ohio-----	135	101	868	712	Oakland, Calif.-----	113	95	763	707
Youngstown, Ohio-----	152	63	2,433	417	Pasadena, Calif.-----	45	29	297	229
WEST NORTH CENTRAL:					Portland, Oreg.-----	126	127	812	817
Des Moines, Iowa-----	80	64	443	425	Sacramento, Calif.-----	62	69	527	379
Duluth, Minn.-----	38	26	231	202	San Diego, Calif.-----	100	97	786	640
Kansas City, Kans.-----	132	39	2,269	220	San Francisco, Calif.-----	240	205	1,644	1,496
Kansas City, Mo.-----	158	178	998	954	San Jose, Calif.-----	(34)	(24)	(213)	(205)
Lincoln, Nebr.-----	(24)	(24)	(203)	(201)	Seattle, Wash.-----	184	108	1,024	1,036
Minneapolis, Minn.-----	179	118	958	962	Spokane, Wash.-----	47	41	327	377
Omaha, Nebr.-----	102	87	593	586	Tacoma, Wash.-----	66	43	340	293

<sup>1</sup>Estimated.<sup>2</sup>Includes estimate for current week.<sup>3</sup>Includes estimate for previous week.



## EPIDEMIOLOGICAL REPORTS—Continued

occurred on an average of 15 hours following this meal. Attack rates of foods consumed by 172 individuals implicated roast lamb as the suspect food. The lamb had been cooled at room temperature for a prolonged period following cooking. Cultures from hand swabs from 5 of the 17 foodhandlers examined disclosed the presence of coliform and enterococcal organisms. It was assumed that these foodhandlers prepared the lamb served to the ill individuals, but it was not possible to determine the exact distribution of the individual leg of lamb roasts.

Dr. Dudley Hill, New York State District Health Officer, reported 42 cases of food poisoning following a noon meal in a school. The suspect food vehicle was a tunafish salad which was kept at room temperature for several hours before serving. One foodhandler was found to have an infected finger.

## QUARANTINE MEASURES

Immunization Information for International TravelChanges Reported

The following information should be deleted from the list of Yellow Fever Vaccination Centers in Section 6:

<u>City</u>	<u>Center</u>	<u>Clinic Hours</u>	<u>Fee</u>
Wisconsin Milwaukee	Fox Point-Bayside Health Department Clinic 7241 North Longacre Road Tel. FI 2-8117	By appointment only	Yes

## EXPLANATION OF SYMBOLS USED IN TABLES

Data not available-----	---
Quantity zero-----	-
Percent more than 0 but less than 0.05-----	0.0
Disease stated not notifiable-----	*
Figures within parentheses not included in totals--	( )

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## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for Alaska for 1959 and 1960; data for Hawaii are included for 1960 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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